Patent Assignment Abstract of Title

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Title: Polarizing plate and liquid crystal display using the same

Assignment: 1

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L Number	Hits 5	Search Text sugino-youichirou.in.	DB USPAT;	Time stamp 2003/04/29 09:51
		: : i	US-PGPUB; EPO; JPO; DERWENT;	
2	41	hamamoto-eiji.in.	IBM_TDB USPAT; US-PGPUB;	2003/04/29 09:51
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5	9	tsuchimoto-kazuki.in.	IBM_TDB USPAT; US-PGPUB;	2003/04/29 09:51
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6	60	sugino-youichirou.in. hamamoto-eiji.in. kusumoto-seiichi.in. kondou-senri.in. tsuchimoto-kazuki.in.	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 09:51
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8	390874	moisture	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 09:52
9	152896	permeability	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/04/29 09:52
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10	63	polariz\$3 same moisture same permeability	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 09:52
11	1421	349/96.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/04/29 09:52
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		tsuchimoto-kazuki.in.) and 349/96.ccls.	EPO; JPO; DERWENT; IBM_TDB	: ·
14	455229	thermoplastic thermosetting	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:01
		I	DERWENT;	•

15	134481	reflector transflector	USPAT; US-PGPUB;	2003/04/29 10:01
	! !		EPO; JPO; DERWENT; IBM_TDB	
16	283811	compensator retarder compensation retardation quarter-wave phase-plate	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:02
17	2939351	temperature	DERWENT; IBM_TDB USPAT;	2003/04/29 10:03
			US-PGPUB; EPO; JPO; DERWENT;	
18	189137	humidity	IBM_TDB USPAT; US-PGPUB;	2003/04/29 10:11
			EPO; JPO; DERWENT; IBM_TDB	
19	1	<pre>(polariz\$3 same moisture same permeability) same (thermoplastic thermosetting)</pre>	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:17
20	375	359/485.ccls.	DERWENT; IBM_TDB USPAT;	2003/04/29 10:17
			US-PGPUB; EPO; JPO; DERWENT;	
21	368	359/507.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:17
22	215	 	DERWENT; IBM_TDB USPAT;	2003/04/29 10:17
			US-PGPUB; EPO; JPO; DERWENT;	
23	3	<pre>(polariz\$3 same moisture same permeability) and (reflector transflector) and (compensator retarder compensation retardation quarter-wave phase-plate)</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/29 10:18
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25	0	(polariz\$3 same moisture same permeability) and 359/507.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:18
26	0	(polariz\$3 same moisture same permeability) and 359/512.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/04/29 10:19
27	459	polariz\$3 same temperature same humidity	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/04/29 10:19
<u></u> .	133	FILLIERY Same Samperadate Same Hamzarey	US-PGPUB; ; EPO; JPO; : DERWENT;	:
28	3936	uniaxial\$3 near5 stretch\$3	IBM_TDB USPAT; US-PGPUB;	2003/04/29 10:20
	<u>i</u>		EPO; JPO; DERWENT; IBM_TDB	<u> </u>

29	15	(polariz\$3 same temperature same humidity) same (uniaxial\$3 near5 stretch\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/29 10:25
30	26136	change near10 dimension	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT:	2003/04/29 10:25
31	0	(change near10 dimension) near10 (uniaxial\$3 near5 stretch\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:26
32	2	(change near10 dimension) same (uniaxial\$3 near5 stretch\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:26
33	112	polariz\$3 same (change near10 dimension)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:26
34	23	temperature same humidity same (polariz\$3 same (change near10 dimension))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/04/29 10:27
			DERWENT; IBM_TDB	

PAT-NO:

JP360083903A

DOCUMENT-IDENTIFIER: JP 60083903 A

TITLE:

POLARIZING ELEMENT AND

ELECTRO-OPTICAL LIQUID CRYSTAL

DEVICE USING IT

PUBN-DATE:

May 13, 1985

INVENTOR-INFORMATION:

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APPL-NO: JP58190989

APPL-DATE: October 14, 1983

INT-CL (IPC): G02B005/30, G02F001/133

US-CL-CURRENT: 349/96, 349/122, 349/FOR.114, 349/FOR.119

ABSTRACT:

PURPOSE: To obtain a polarizing element having high reliability and maintaining its polarizing power even in environment at high humidity and an electro-optical liq. crystal device using the polarizing element by holding a polarizing layer of polyvinyl alcohol contg. iodine between two protective films and by tightly sealing the peripheral parts with a material having low moisture permeability.

CONSTITUTION: A polarizing layer 2 of polyvinyl alcohol contq. iodine is held between two protective films 1, 1' each having ≥100μm thickness. The films 1, 1' are made of a polymer having ≤100q.0.1mm/m<SP>2</SP>.24hr coefft. of moisture permeation at 25° C such as polyethylene terephthalate or fluororesin. A tightly sealing layer of epoxy resin 3 having low moisture permeability is formed around the films 1, 1', or the films 1, 1' are entirely wrapped with a polyamide film 4. Thus, a polarizing element whose polarizing power is not deteriorated or lost by moisture is obtd. When a lig. crystal display device is manufacture by using the

polarizing element, the moisture resistance is improved.

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